

1537

Diag. Cht. No. 5602-1

Form 504	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY, Director	
State: California	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. 1537
LOCALITY	
Point Arena to Salmon Point	
(Pencil correction on Sheet) Elk Creek to Whitesboro Bay	
1882	
CHIEF OF PARTY	
W.T. Swinburne	

GOVERNMENT PRINTING OFFICE

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

May 14, 1927.

To: The Chief,
Division of Tides and Currents.

From: L. P. Shidy, Associate Mathematician.

Subject: Plane of Reference for Hydrographic Sheet 1537.

The title of hydrographic sheet 1537 is "Point Arena to Salmon Point, Calif., by Lieut. W. T. Swinburne, U. S. N., Assistant, 1882." A pencil correction to the title is "Elk Creek to Whitesboro Bay."

A very good series of tides was observed at Navarro River Entrance, from which I have obtained mean lower low water as corresponding to a reading of 2.6 feet on tide staff. On comparing this plane with the tide reducers in the sounding books it is identical with the plane to which they were reduced, except that when the reducer was 0.6 feet or less, it is called zero in the sounding records.

On hydrographic sheet 1537 is a note as follows: "The soundings - - - - show the depth at the mean of the lowest low water for one lunar month--the plane of reference." This may be regarded as equivalent to our present form of expression, which is "mean lower low water," and hence no correction to the soundings is required.

L. P. Shidy

Associate Mathematician.

*Forwarded
Shidy*